

S9 Table. Statistical Data for Figure-8.

A. Repeated Measures ANOVA/Bonferroni: Luciferase Assays (0.3 µg DNA/well)

	P value	F statistic	WT GluN2A (- mem) vs. WT GluN2A (+ mem)	WT GluN2A (- mem) vs. GluN2A-P552R (- mem)	GluN2A-P552R (- mem) vs. GluN2A-P552R (+ mem)
Viability (% of control; n=7)	< 0.0001	F (3, 6, 18) = 64.07	< 0.001	< 0.05	< 0.001

B. Repeated Measures ANOVA/Bonferroni: Luciferase Assays (0.6 µg DNA/well)

	P value	F statistic	WT GluN2A (- mem) vs. WT GluN2A (+ mem)	WT GluN2A (- mem) vs. GluN2A-P552R (- mem)	GluN2A-P552R (- mem) vs. GluN2A-P552R (+ mem)
Viability (% of control; n=8)	< 0.0001	F (3, 7, 21) = 23.11	< 0.01	ns	< 0.001

C. Repeated Measures ANOVA/Bonferroni: Cell Counts (0.6 µg DNA/well)

	P value	F statistic	WT GluN2A (- mem) vs. WT GluN2A (+ mem)	WT GluN2A (- mem) vs. GluN2A-P552R (- mem)	GluN2A-P552R (- mem) vs. GluN2A-P552R (+ mem)
Viability (% of control; n=6)	0.0079	F (3, 5, 15) = 5.77	ns	ns	< 0.01